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#7

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/667,170A

DATE: 05/13/2002 P.6
TIME: 15:12:12

Input Set : A:\475c7.app

Output Set: N:\CRF3\05132002\I667170A.raw

```

3 <110> APPLICANT: Reed, Steven G.
4   Henderson, Robert A.
5   Lodes, Michael J.
6   Fling, Steven P.
7   Mohamath, Raodoh
8   Algate, Paul A.
9   Secrist, Heather
10  Indirias, Carol Yoseph
11  Benson, Darin R.
13 <120> TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
14   THE THERAPY AND DIAGNOSIS OF LUNG CANCER
17 <130> FILE REFERENCE: 210121.475C7
19 <140> CURRENT APPLICATION NUMBER: US 09/667,170A
C--> 20 <141> CURRENT FILING DATE: 2002-05-03
22 <160> NUMBER OF SEQ ID NOS: 440
24 <170> SOFTWARE: FastSEQ for Windows Version 3.0
26 <210> SEQ ID NO: 1
27 <211> LENGTH: 339
28 <212> TYPE: DNA
29 <213> ORGANISM: Homo sapien
31 <400> SEQUENCE: 1
32   gtactcagac aggatagtc tcatgtagca caaagcamat cctgtttcta tactttagt      60
33   ttgctctcac tcagtggcat ratcattact atacagtga gaatgttrtt atgtagcata      120
34   gatgtggggt ctctagccca cagctctsta cctttgtcta gcaactcctgt cctcatacct      180
35   ragtggcctg tccatcagca tgtttctcat ctactttgct tgtccagtcc actgtggtcc      240
36   tcccttgccc tctcccttat gtggcagagt ggaaccagct gtcctgagac ttgagttcaa      300
37   catctggttc gcccatytc atgtttgtgg tctgagtag      339
39 <210> SEQ ID NO: 2
40 <211> LENGTH: 698
41 <212> TYPE: DNA
42 <213> ORGANISM: Homo sapien
44 <220> FEATURE:
45 <221> NAME/KEY: misc_feature
46 <222> LOCATION: (1)...(698)
47 <223> OTHER INFORMATION: n = A,T,C or G
49 <400> SEQUENCE: 2
50   gtactcagac cagcactgca ttttctccac tgctgacggg tctaatacca gctgcttccc      60
W--> 51   tttcttggag gcagagctng tgaccttgag aaagtgcct gtgaccatca tgtgggtagt      120
52   gagctgctgc aaggtgtcat gggagctccc aactccatg cactttwaga tctgggaact      180
53   gcaggcctca ractgccagg tgtagctcgc tccattttgg tagccatagc gttgttgga      240
54   ggacaactgc aagttggcgt tcttctgaga agaaaaagaa tctgcaaaag atcctgtggt      300
55   tgaatcgggg gaacacggcc gattgacatc aaaaacgcgt ttcttagccc gggtagccat      360
56   tttcgaggaa atggttgagg actggctcct tcaaaggcac tttttggtta tgttttgttt      420

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W--> 57 yaatcatgtk gacgtccaa tcttggragg gaatcgaang rantcncnc caaaacatrc 480
58 stttcagraa ccttttgarc atcctctttt ttccgtrtcc cggmaargcc cytttccckg 540
W--> 59 ggctttgaaa wyagcctsgt tgggttctta aattaccart ccacnwggtg gaattccccg 600
W--> 60 ggccccctgc ccggtkccaa ccaatttttg graaaaacccc cncansccgt tkggantgcn 660
W--> 61 acaacntggg ntttttcntt tcgtgntccc ctngaacc 698
63 <210> SEQ ID NO: 3
64 <211> LENGTH: 697
65 <212> TYPE: DNA
66 <213> ORGANISM: Homo sapien
68 <220> FEATURE:
69 <221> NAME/KEY: misc_feature
70 <222> LOCATION: (1)...(697)
71 <223> OTHER INFORMATION: n = A,T,C or G
73 <400> SEQUENCE: 3
74 gtactcagac ccccaaccto gaacagccag aagacaggtt gtctcctggg ccttggaac 60
W--> 75 agccngccag gccattgaag ganaagcaaa gacgaagcga accatctctc tccattgtgg 120
W--> 76 gggccaagta gctgcantan ccttcagtc cagttgcatt gggtaaaga gctcatacat 180
W--> 77 actatgtgtn aggggtacag aagcttttcc tcatagggca tgagctctcc nagagttgac 240
W--> 78 cttttgcctn aacttggggt ttctgtggtt cataaagttt ggatatgtat tttttttcaa 300
W--> 79 atggaanaaa atccgtattt ggcaaaaaga ctccaggggg atgatactgt ccttgccact 360
W--> 80 tacagtccaa angatnttcc ccaaagaata gacatttttt cctctcatca cttctggatg 420
W--> 81 caaaatcttt ttttttttcc cttctctgca ccnccccaga ccccttnnag gttnaaccgc 480
W--> 82 tteccatctc ccccatcca cagatnttg aatngcann ncgttgntgg tcgggtcccn 540
W--> 83 nccgaaaggg tntttttatt cggggtncgt anttnnaac cnctnagttg aatccgcggg 600
W--> 84 gcggccnngn gggttnnacc atgntgggga naactnccn ccgcgnttgg aatgccaanag 660
W--> 85 ccttgaaant tttcttttgg tcgccccccn gagattc 697
87 <210> SEQ ID NO: 4
88 <211> LENGTH: 712
89 <212> TYPE: DNA
90 <213> ORGANISM: Homo sapien
92 <220> FEATURE:
93 <221> NAME/KEY: misc_feature
94 <222> LOCATION: (1)...(712)
95 <223> OTHER INFORMATION: n = A,T,C or G
97 <400> SEQUENCE: 4
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W--> 99 taatgtttaa tggttgaggg tttaagtgat cttggtatgt tngatttagc agcgatnggc 120
100 cgggtgcggt ggctcacgca tgtatcccag cactttggga ggccgaggca ggaggatcac 180
W--> 101 ctgaggtcag gagtttgaga ccagcctggc cgacatggtn aaaccccgtc tctactanga 240
W--> 102 atacanaaat tagcccgggc atagtggcgc gtgcctrtga cctcsgctac tttggggatt 300
103 ctccctgagga agaattgctt gaactcaggg aagtggargt ttgcagtgag cttaaatacaa 360
104 gccactggca ctcccagcct gggktaacag agccamgact ctkgccgaaa aaaaaraama 420
W--> 105 cgacggagaa nmagntctgt tattccatgg gaaattkgaa tttccttctt tkaaatatct 480
W--> 106 taaaatnggt cctcctwaaa aaagtccggc tggggcccgc tggtcacat tttkttaycc 540
W--> 107 cycccccttt tggggarggc caarggccgg kttgawtnnc ccttgagggg ccanaactcc 600
W--> 108 agnaaccrgn cccgggccar smgwkgtstr armcccttcc cyyccmaraa aawwcsmaaa 660
109 wwtttyccsc cygsykggct ggkasckgtt myyyyygntm csyagcttgc tt 712
111 <210> SEQ ID NO: 5
112 <211> LENGTH: 679

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113 <212> TYPE: DNA
114 <213> ORGANISM: Homo sapien
116 <220> FEATURE:
117 <221> NAME/KEY: misc_feature
118 <222> LOCATION: (1)...(679)
119 <223> OTHER INFORMATION: n = A,T,C or G
121 <400> SEQUENCE: 5
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123 acatcccttt gtgagcacgg ctgctccgga atactgacca tctgggctag cagcacctaa 120
124 cagaggggttc tgcaggatgt gctattttaa agcagctggg tgcaacttgt gaaaacggga 180
W--> 125 atctngaagc agaacatgtn atcagcgatg gctgggattg gtggacagga ttgacaggag 240
126 tatttgaggc tctaccaggc ctgtctacag gacagcttca tcgaaggagc attttttaac 300
W--> 127 ctgttatttt anatinccaca tatntttttt aatgctnaag catacagggt gaatttctgg 360
W--> 128 atcgtaaacta ctagtgaact ctgaggttta cagttngaag atgttctcnn aggtttatca 420
W--> 129 agttntgtta ttgatgatng gtaatctaca cctctggaag ctgtngaagtg tgaaaaagat 480
W--> 130 nentnancnt gaccagtttg nagggcactc tcttctggna agnaatccgn ccaaaaaaat 540
W--> 131 tgtttcnagg gggcntgggg gggttaaaaa aatgtttctn ttncntaaa aatgtttacc 600
W--> 132 cnnctattga aaaaatgggg gtcgnggggg gcttnaaatc cccnanttnt gaatntnta 660
W--> 133 tccggaanct tgggttccc 679
135 <210> SEQ ID NO: 6
136 <211> LENGTH: 369
137 <212> TYPE: DNA
138 <213> ORGANISM: Homo sapien
140 <220> FEATURE:
141 <221> NAME/KEY: misc_feature
142 <222> LOCATION: (1)...(369)
143 <223> OTHER INFORMATION: n = A,T,C or G
145 <400> SEQUENCE: 6
146 tcagtcagat catgggtcct ataagagaag tcaactctgt agtttccatg gaggaagaaa 60
147 aagcttcatt tctttaccct gcagcaacag cggaggagg gagagcctat cttctttgca 120
W--> 148 aattcattaa ctttgtggtt gaagggagca gcgtcngaaa ctgcttttagc acagtgggag 180
149 gaaaacaaac agattcatct ccggaacca aaggaaagg tragtgggtt ttattagcc 240
150 agctgtatcc tagatgggtc atttcagtg gatgaataca ccttacgtac gtttctcttg 300
W--> 151 ctctctacct nggectgac agctnggcac ttraatcatt ccgtnggggt wgtgtnaca 360
152 ctggactga 369
154 <210> SEQ ID NO: 7
155 <211> LENGTH: 264
156 <212> TYPE: DNA
157 <213> ORGANISM: Homo sapien
159 <220> FEATURE:
160 <221> NAME/KEY: misc_feature
161 <222> LOCATION: (1)...(264)
162 <223> OTHER INFORMATION: n = A,T,C or G
164 <400> SEQUENCE: 7
W--> 165 tgctggatra gggatggggc acgggagcac agatmgactt taactgcccc cacgttntcm 60
166 aggaaaggat tacaggcgtg agccactgag ccggcctct tctccacttt cataggttcc 120
W--> 167 agtctctggt tcttcttctt cagtttgggt ttttcttc tttaatmatg gagatnagaa 180
168 tgaacactac actcggaatc aggaagccct gcctggcgcc tctgtcacct gtctaggggc 240
169 ttcttctcac tgagtcaccc agca 264

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Input Set : A:\475c7.app

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171 <210> SEQ ID NO: 8
172 <211> LENGTH: 280
173 <212> TYPE: DNA
174 <213> ORGANISM: Homo sapien
176 <220> FEATURE:
177 <221> NAME/KEY: misc_feature
178 <222> LOCATION: (1)...(280)
179 <223> OTHER INFORMATION: n = A,T,C or G
181 <400> SEQUENCE: 8
W--> 182 acctcaactg ccanaacan aactgttgta caagatttga ggatttaaca atatttcaca      60
W--> 183 tgaaatattt cagacctacg ngagggttta aagacnaatt aaatgagcac cngtgtgccc      120
W--> 184 accgccccna ttaagaatta gagcaagcag tgagggtgaag ccttgtcctt gcttttaaca      180
W--> 185 tagaaagtga tccaaattca ccaaacttga cttnnngttt tgcagtgtgg cctcctgatt      240
W--> 186 ctagacnctg gcgaacatt tgatgggcaa aaaaaaaaaa      280
188 <210> SEQ ID NO: 9
189 <211> LENGTH: 449
190 <212> TYPE: DNA
191 <213> ORGANISM: Homo sapien
193 <220> FEATURE:
194 <221> NAME/KEY: misc_feature
195 <222> LOCATION: (1)...(449)
196 <223> OTHER INFORMATION: n = A,T,C or G
198 <400> SEQUENCE: 9
W--> 199 tcgtcaactc caggatggct ttgaaaatna atggacacag atctctcctg ttttgaatrat      60
W--> 200 ntgcagtget natgactggc tttgcagttt attttgattc aggcaacaga tgttcctttt      120
201 ggttcctgt ctcccatggg cgtcatttca tgttgtcctc tgccttcccc cagatattct      180
202 aagttcagga cacaagcttc tggcccatgc agagcagagg ccatgagggg tcacagcatg      240
W--> 203 ggtacgggag gaaacactgg gctnaccag atnctggact tgagtcttgc ctctgctget      300
204 tgctgcacag cttctgtcat ggtgctaac ctgtgacctg cctcacaggc ttagagcatg      360
W--> 205 cccgtagaag tactctnaac taaratgctt tccacaaatg agatgggttc atgaaaaactt      420
206 caaatagagg gcctgggcaa aaaaaaaaaa      449
208 <210> SEQ ID NO: 10
209 <211> LENGTH: 538
210 <212> TYPE: DNA
211 <213> ORGANISM: Homo sapien
213 <220> FEATURE:
214 <221> NAME/KEY: misc_feature
215 <222> LOCATION: (1)...(538)
216 <223> OTHER INFORMATION: n = A,T,C or G
218 <400> SEQUENCE: 10
219 tttttttttt ttcccaaagg cctcaraaca ctagtcttct aattccaagc agaaagttac      60
220 atccgccggg atacatgcca cttggtttga taaatcaaaa tacagcatcc ttcagatccc      120
W--> 221 tttgctgagc aatacaatta tttgtatatg ttactttttt tttgttttgg ctnaaagatt      180
W--> 222 tgatatgagc tgaggaaaat gaagccttta ctgctatnag atctnatccc tttccaccac      240
W--> 223 ctttcaggga tnttggcact gcayatatte agaattcccc nnagtcgctn gtgataaaaa      300
224 tgtcttcaga gatggcagaa tatgtttcct ttgtacatg ttcattaaaa atatacacgt      360
W--> 225 gctcactact gtggatatgt atgtnttgac cgatnacaca ggctgattta gggaagagat      420
W--> 226 aaaagcacac ttngaattta ttgaccttcc accnagacta anattctgaa attaagaatg      480
W--> 227 tattccttgg tcaacaattt tctcttctc ttagccctct tacattgtan tggactga      538

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229 <210> SEQ ID NO: 11
230 <211> LENGTH: 543
231 <212> TYPE: DNA
232 <213> ORGANISM: Homo sapien
234 <220> FEATURE:
235 <221> NAME/KEY: misc_feature
236 <222> LOCATION: (1)...(543)
237 <223> OTHER INFORMATION: n = A,T,C or G
239 <400> SEQUENCE: 11
240 tttttttttt ttgcccacag ctgccatctt tgtgtgataa ggccaacctt ctatgggaat      60
241 caaccctcgc catcccagca aatcccctct ctcccctctc atgggagtgc cttgtattca      120
W--> 242 tcaggcatct gggacttgat gtgggtntgg gatttgaaat cagagcacct nggtctctst      180
W--> 243 caccattctn tcacttatta gctctnacct tgggtnaata cctgccttag tgtcntaggt      240
W--> 244 acaatatgaa tattgtctat ttctcaggga ttgcaatgac nagtnnatna gtgcatgaga      300
W--> 245 gggtaaaacc acagggtact cgcctcctcc naagaatgga gaattttttc tagaagccca      360
W--> 246 natntgcttg gaaggttgcc caccnagagc cnnaatcttc ttttatttnc cactgaangc      420
W--> 247 ctaagaggna attctgaact catcccnna tgacctctcc cgaatmagaa tatctctggc      480
W--> 248 acttaccata tttctttgcc ctcttccact tacnaaactc ctttattcct taacnggacg      540
249 aaa                                                                    543
251 <210> SEQ ID NO: 12
252 <211> LENGTH: 329
253 <212> TYPE: DNA
254 <213> ORGANISM: Homo sapien
256 <400> SEQUENCE: 12
257 cgatgacttg ggcagtgagt gggcctcctg ccagggtggca gggcacagct tagaccaaac      60
258 ccttgccctc cccctctcgc agstacctct gaccaagaag gaaactagca agcctatgct      120
259 ggcaagacca taggtggggt gctgggaatc ctcggggccg gctggcacc cctcctgggtg      180
260 ctcaagggag agaccacatt gttcagatgc atrggcctca ggcgggtcaa ggcrgtctta      240
261 gagccacaga gtcaaataaa aatcaatttt gagagaccac agcacctgct gctttgatcg      300
262 tgatgttcaa ggcaagttgc aagtcacg
264 <210> SEQ ID NO: 13
265 <211> LENGTH: 314
266 <212> TYPE: DNA
267 <213> ORGANISM: Homo sapien
269 <220> FEATURE:
270 <221> NAME/KEY: misc_feature
271 <222> LOCATION: (1)...(314)
272 <223> OTHER INFORMATION: n = A,T,C or G
274 <400> SEQUENCE: 13
275 cgatgacttg caccggggag ctgtgacagt ggcctggaag cagatggcag ccccgtaag      60
276 gcgggagtgg agaccaccaa accctccaaa cagagcaaca actagtacgc ggccagcagc      120
277 tacctgagcc tgacgccga gcagtggag tcccacagaa gctacagctg ccaggtcacg      180
W--> 278 catgaaggga gcaccgtgga gaagacagtg gcccctacag aatgttcata ggttcccnac      240
W--> 279 tctnacccca cccacgggag cctgganctg cangatcccg ggggaagggt ctctctcccc      300
280 atccaagtc atcg                                                                    314
282 <210> SEQ ID NO: 14
283 <211> LENGTH: 691
284 <212> TYPE: DNA
285 <213> ORGANISM: Homo sapien

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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:2; N Pos. 79,459,463,466,469,585,642,645,656,660,666,670,671,678,686
Seq#:2; N Pos. 693
Seq#:3; N Pos. 65,83,137,140,190,231,250,280,307,372,376,453,467,468,474
Seq#:3; N Pos. 507,515,519,520,521,527,540,541,552,567,572,575,576,577,582
Seq#:3; N Pos. 585,607,608,610,616,617,624,631,636,640,646,658,669,690
Seq#:4; N Pos. 32,59,102,117,220,238,246,431,435,487,578,579,594,603,610
Seq#:5; N Pos. 28,185,200,312,315,324,337,396,409,410,425,439,465,481,483
Seq#:5; N Pos. 485,488,501,519,523,530,547,555,580,583,586,602,603,625,635
Seq#:5; N Pos. 644,646,649,655,658,668
Seq#:6; N Pos. 156,311,325,345,357
Seq#:7; N Pos. 57,176
Seq#:8; N Pos. 15,20,81,96,112,129,214,215,247
Seq#:9; N Pos. 29,61,71,90,264,273,377
Seq#:10; N Pos. 173,207,218,225,252,281,282,290,385,395,433,454,462,530
Seq#:11; N Pos. 147,171,190,206,216,235,281,285,286,289,331,361,364,385,392
Seq#:11; N Pos. 393,409,418,429,448,449,514,535
Seq#:13; N Pos. 238,244,267,273
Seq#:14; N Pos. 20,166,186,196,361,543,546,577,581,626,636,661
Seq#:15; N Pos. 87,146,195,333
Seq#:16; N Pos. 90,205,213,240,264,381,405,410,414,417,423,429,432,480,508
Seq#:233; N Pos. 90,97,242,244
Seq#:238; N Pos. 399
Seq#:245; N Pos. 105
Seq#:261; N Pos. 538
Seq#:264; N Pos. 32
Seq#:275; N Pos. 379
Seq#:279; N Pos. 457,471
Seq#:280; N Pos. 451
Seq#:281; N Pos. 456
Seq#:282; N Pos. 494
Seq#:290; N Pos. 233,247
Seq#:291; N Pos. 248,257,275,295,306,337
Seq#:292; N Pos. 19,353,415,431,474
Seq#:293; N Pos. 125,249,264,282,291,381,399,488
Seq#:294; N Pos. 55,285,489,519,582,590
Seq#:296; N Pos. 262,296,329,360,530,534,536,568,593,595
Seq#:298; N Pos. 105,108,136,148,149,237,243,250
Seq#:301; N Pos. 227,324,343,351,408,412,431,453,502,516,544
Seq#:302; N Pos. 51,157,240,258,304,316,378,391,475,576,580
Seq#:304; N Pos. 411
Seq#:306; N Pos. 502
Seq#:307; N Pos. 51,103,245,407,448
Seq#:308; N Pos. 576
Seq#:311; N Pos. 8,11,19

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Seq#:313; N Pos. 16,34,44,46,68,70,76,84,92,96,99,104,170,212,235,240,249
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Seq#:314; N Pos. 569
Seq#:315; N Pos. 553
Seq#:318; N Pos. 538,590
Seq#:320; N Pos. 505,507,536,549,588
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Seq#:322; N Pos. 61,85,87,136,142,148,161,164,180,183,203,204,234,275,286
Seq#:322; N Pos. 307,311,313,337,491,523,526
Seq#:323; N Pos. 412,446
Seq#:324; N Pos. 141,184,357
Seq#:325; N Pos. 517
Seq#:326; N Pos. 49,132
Seq#:328; N Pos. 354
Seq#:329; N Pos. 97,219,256,331,457
Seq#:330; N Pos. 350,388,397,426,478,490,491
Seq#:331; N Pos. 222,290,314,319,338,449,460
Seq#:334; N Pos. 503,548
Seq#:336; N Pos. 517
Seq#:337; N Pos. 410
Seq#:338; N Pos. 486,566,568
Seq#:339; N Pos. 429
Seq#:340; N Pos. 441,442
Seq#:342; N Pos. 462,475
Seq#:344; N Pos. 310,377
Seq#:346; N Pos. 348,349
Seq#:353; N Pos. 133,162,200,210,252,324,332,349,365,371
Seq#:354; N Pos. 120,124,138,194,205,220,224,275,334
Seq#:355; N Pos. 407,459,483
Seq#:356; N Pos. 381
Seq#:357; N Pos. 339,457,475,486
Seq#:358; N Pos. 358,361,372,374,386
Seq#:359; N Pos. 299,318,363,381,395,412
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Seq#:361; N Pos. 228,230,338,339,348,358,379
Seq#:362; N Pos. 472,483,500,510
Seq#:369; N Pos. 6,7
Seq#:370; N Pos. 89,117,147,232
Seq#:371; N Pos. 114,188,317
Seq#:372; N Pos. 9
Seq#:376; N Pos. 86,260
Seq#:381; N Pos. 90,93
Seq#:389; N Pos. 43,133,185,226,254,256,303
Seq#:399; N Pos. 91,107,145,155,207,215,228,232,233,234,244
Seq#:401; N Pos. 3
Seq#:406; N Pos. 402,414
Seq#:409; N Pos. 279,304,315,319,343,352,355,356,361,381
Seq#:411; N Pos. 370
Seq#:415; N Pos. 380,394

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Seq#:416; N Pos. 180,202,206,214,224,235,240,241,245,247,250,251,252,257
Seq#:416; N Pos. 267

VERIFICATION SUMMARY

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TIME: 15:12:13

Input Set : A:\475c7.app

Output Set: N:\CRF3\05132002\I667170A.raw

L:20 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:51 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:60
L:57 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:420
L:59 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:540
L:60 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:600
L:61 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:660
L:75 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:60
L:76 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:120
L:77 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:180
L:78 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:240
L:79 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:300
L:80 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:360
L:81 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:420
L:82 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:480
L:83 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:540
L:84 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:600
L:85 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:660
L:98 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0
L:99 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:60
L:101 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:180
L:102 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:240
L:105 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:420
L:106 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:480
L:107 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:540
L:108 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:600
L:122 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0
L:125 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:180
L:127 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:300
L:128 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:360
L:129 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:420
L:130 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:480
L:131 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:540
L:132 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:600
L:133 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:660
L:148 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:120
L:151 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:300
L:165 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:0
L:167 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:120
L:182 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0
L:183 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:60
L:184 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:120
L:185 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:180
L:186 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:240
L:199 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:0
L:200 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:60
L:203 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:240
L:205 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:360
L:221 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:120

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/667,170A

DATE: 05/13/2002

TIME: 15:12:13

Input Set : A:\475c7.app

Output Set: N:\CRF3\05132002\I667170A.raw

L:222 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:180

L:223 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:240

L:225 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:360

L:6769 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:279